

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant/Patent Owner: GM GLOBAL TECHNOLOGIES, INC.

POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

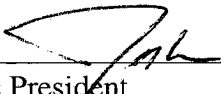
Commissioner for Patents
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I hereby appoint Practitioner(s) associated with Customer Number 80748 as my/our attorney(s) or agent(s) to prosecute the patent applications listed in the attached Schedule A.

Please recognize or change the correspondence address for the patent applications listed in the attached Schedule A to the address associated with Customer Number 80748.

The undersigned is authorized to act on behalf of the assignee

Jeffrey A. Sedlar



Vice President
GM Global Technology Operations, Inc.

10/5/2009
Date

Applications filed by Outside Counsel - Not Issued nor Abandoned

9/17/2009

Applications assigned to a specific outside counsel firm

Case Reference	Official Title	Filing	Filing Number	Centers Charged	Attorney (Wording)	Outside Counsel Firm (Wording)
GP-302578-US-NP	SPEED CONTROL WIPER SYSTEM			GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-302075-US-NP	FLIP OUT REAR BUMPER COVER			GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-304143-US-NP	BUILDING A CASE BASE FROM LOG ENTRIES	2/3/2004	10/771172	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-304474-US-NP	USER TRANSPARENT REGISTRATION PROCESS FOR SECURE COMMUNICATION	6/30/2004	10/897969	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
H-205856-US-CIP1	PRE-COLLISION ASSESSMENT OF POTENTIAL COLLISION SEVERITY FOR ROAD VEHICLES	4/13/2004	10/823391	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-304745-US-NP	MOLDED FIBER PANEL HAVING REDUCED SURFACE FIBER READOUT AND METHOD OF MOLDING THEREOF	9/14/2004	10/940538	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-304450-US-NP	METHOD AND APPARATUS FOR COMMUNICATION WITHIN CONTROL SYSTEMS	1/4/2005	11/028886	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-305936-US-NP	PARKING SPACE LOCATOR	8/19/2005	11/207514	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-305525-US-NP	METHOD AND APPARATUS FOR DAMPING VEHICLE NOISE	2/18/2005	11/062101	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-302380-JP-NP	COLOR FINISHING METHOD	7/6/2005	2004-566518	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-302380-EP-EPT	COLOR FINISHING METHOD	12/8/2003	03796785.8	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-305489-US-NP	VEHICLE PRESENCE INDICATION	1/27/2006	11/341283	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-304938-DE-NP	METHOD AND SYSTEM FOR LASER CLADDING	1/12/2006	102006001688.2	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP

Case Reference	Official Title	Filing	Filing Number	Centers Charged	Attorney (Wording)	Outside Counsel Firm (Wording)
GP-305281-US-NP	CREATION AND MAINTENANCE OF ONTOLOGIES	1/6/2006	11/327116	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-305659-US-NP	MAP-AIDED VISION-BASED LANE SENSING	1/19/2006	11/335248	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-305491-US-NP	PISTON RING ASSEMBLY INCLUDING A SELF ACCOMMODATING SMART PISTON RING	8/7/2006	11/462730	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-306852-US-NP	EXHAUST PARTICULATE FILTER	1/19/2006	11/335222	GM POWERTRAIN - ENGINES	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-307740-US-NP	RECONFIGURABLE FIXTURE DEVICE AND METHODS OF USE	1/19/2006	11/335190	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-307996-US-NP	RECONFIGURABLE FIXTURE DEVICE AND METHODS OF USE	1/19/2006	11/335872	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-307787-US-NP	SUPPLY CHAIN FACILITY PERFORMANCE ANALYZER	9/8/2006	11/530039	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-307648-US-NP	ACTIVE MATERIAL ADAPTIVE OBJECT HOLDERS	5/4/2007	11/744417	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-308022-US-NP	REVERSIBLE ATTACHMENT MECHANISMS	9/12/2006	11/530917	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-305839-US-NP	ACTIVE MATERIAL BASED CONCEALMENT ASSEMBLIES	8/31/2007	11/848466	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-306337-US-NP	RECONFIGURABLE MOLD INSERTS/BLADDERS/MANDRELS BASED ON ACTIVE MATERIALS			GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-307764-US-NP	ACTIVE MATERIAL BASED CONCEALMENT DEVICES FOR SEAMS	8/31/2007	11/848488	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-307968-US-NP	ACTIVE MATERIAL ACTIVATED COVER	9/18/2007	11/856744	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-308016-US-NP	ACTIVE MATERIAL BASED SUCTION CUPS	9/28/2006	11/536009	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-308116-US-NP	ACTIVE MATERIAL BASED FASTENERS INCLUDING CABLE TIES AND TWIST TIES	3/19/2008	12/051178	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP

Case Reference	Official Title	Filing	Filing Number	Centers Charged	Attorney (Wording)	Outside Counsel Firm (Wording)
GP-308336-US-NP	ACTIVE MATERIAL BASED CLOSURE HINGE AND ALIGNMENT PROCESS	2/23/2007	11/678085	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-303337-DE-NP	MAGNETORHEOLOGICAL FLUID DAMPER	4/12/2006	112004001931.1	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-303275-CN-PCT	MAGNETORHEOLOGICAL FLUID DAMPER	9/9/2004	200480030726.4	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-308118-US-NP	METHODS OF FORMING POLYMERIC ARTICLES HAVING CONTINUOUS SUPPORT STRUCTURES	6/28/2007	11/769763	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-308023-US-NP	METHOD FOR IMPROVING ADHESION BETWEEN A SHAPE MEMORY ALLOY AND A POLYMER	2/23/2007	11/678098	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-308417-US-NP	SHAPE MEMORY ALLOY REINFORCED HOSES AND CLAMPS	3/14/2007	11/685828	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-308465-US-NP	BI-AND MULTI-POSITION HOLD MECHANISMS BASED ON ACTIVE MATERIALS			GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-307579-US-NP	METHOD TO DETERMINE PROCESS INPUT VARIABLES' VALUES THAT OPTIMALLY BALANCE CUSTOMER BASED PROBABILITY OF ACHIEVING QUALITY AND COSTS FOR MULTIPLE COMPETING ATTRIBUTES	8/9/2006	11/501514	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-308208-US-NP	ALERTING A VEHICLE OPERATOR TO TRAFFIC MOVEMENT	5/25/2006	11/440577	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-307778-US-NP	MODELING A SUPPLY CHAIN	6/5/2007	11/758056	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-307836-US-NP	METHOD AND APPARATUS FOR PROVIDING IN-VEHICLE FUEL RELATED INFORMATION	10/31/2007	11/931360	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-307546-US-NP	METHOD AND SYSTEM FOR LANE CENTERING CONTROL	10/11/2006	11/548293	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP

Case Reference	Official Title	Filing	Filing Number	Centers Charged	Attorney (Wording)	Outside Counsel Firm (Wording)
GP-303752-CN-NP	AIRFLOW CONTROL DEVICES BASED ON ACTIVE MATERIALS	11/17/2004	200480036242.0	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-307872-US-NP	MONITORING A DELIVERY CHAIN NETWORK	2/1/2007	11/669978	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-306991-DE-PCT	REVERSIBLY DEPLOYABLE AIR DAM	9/22/2006	112006002692.5	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-308062-US-NP	FEDERATED ONTOLOGY INDEX TO ENTERPRISE KNOWLEDGE	6/8/2007	11/760272	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-305227-US-CIP1	FRICTION STIR RIVET AND METHOD OF JOINING THEREWITH	9/19/2006	11/532962	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-308570-US-CIP1	HOOD LIFT MECHANISMS UTILIZING ACTIVE MATERIALS AND METHODS OF USE	9/20/2006	11/533422	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-305199-US-NP	RETRIEVING CASE-BASED REASONING INFORMATION FROM ARCHIVE RECORDS	1/23/2007	11/625998	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-305489-CN-NP	VEHICLE PRESENCE INDICATION	1/29/2007	200710008367.8	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P000157-US-PPS	TRIM CLIP	2/28/2007	60/892012	GM RESEARCH & DEVELOPMENT CENTER	MARRA, KATHRYN A. (kathryn.marra@gm.com)	CANTOR COLBURN LLP
GP-304419-CN-PCT	HOOD LIFT MECHANISMS UTILIZING ACTIVE MATERIALS AND METHODS OF USE	8/1/2005	200580033514.6	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-308021-US-NP	MARKET SIMULATION MODEL	2/23/2007	11/710139	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-309292-US-NP	AUTOMATED ROOT CAUSE IDENTIFICATION OF LOGIC CONTROLLER FAILURE	7/27/2007	11/829321	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P000506-US-NP	MANUFACTURING PORTFOLIO FLEXIBILITY PLANNING	8/16/2007	11/839727	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P000332-US-NP	NOISE REDUCTION SYSTEM	2/4/2009	12/365292	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-306852-US-CIP	METHOD AND SYSTEM FOR REGENERATION OF AN EXHAUST PARTICULATE FILTER	8/3/2007	11/833558	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP

Case Reference	Official Title	Filing	Filing Number	Centers Charged	Attorney (Wording)	Outside Counsel Firm (Wording)
GP-305428-CN-PCT	RECONFIGURABLE TOOLS AND/OR DIES, RECONFIGURABLE INSERTS FOR TOOLS AND/OR DIES AND METHODS OF USE	12/12/2005	200580048581.5	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-306469-US-DIV	ON DEMAND MORPHABLE AUTOMOTIVE BODY MOLDINGS AND SURFACES	6/7/2007	11/759308	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P000907-US-NP	METHOD AND SYSTEM FOR WELDING WORKPIECES	5/7/2008	12/116381	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-308022-CN-PCT	REVERSIBLE ATTACHMENT MECHANISMS	9/12/2007	200780033838.9	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-308022-DE-PCT	REVERSIBLE ATTACHMENT MECHANISMS	7/12/2007	112007002135.7	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-306128-US-NP	COMPOSITE ARTICLE HAVING ADJUSTABLE SURFACE MORPHOLOGY AND METHODS OF MAKING AND USING	8/16/2007	11/839720	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P002567-US-CIP	ACTIVE MATERIAL BASED SEAM CONCEALMENT DEVICES AND METHODS OF USE THEREOF	5/7/2008	12/116371	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-305079-US-DIV	MAGNETORHEOLOGICAL DEVICE AND SYSTEM AND METHOD FOR USING THE SAME	10/11/2007	11/974133	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P000157-US-NP	TRIM CLIP	2/14/2008	12/030914	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P002006-US-NP	A FLOW DIFFUSER FOR AN EXHAUST SYSTEM	9/30/2008	12/241143	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P002358-US-NP	CLOUD POINT MONITORING SYSTEMS FOR DETERMINING A CLOUD POINT TEMPERATURE OF DIESEL FUEL	7/16/2008	12/173990	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P002898-US-NP	CLOUD POINT MONITORING SYSTEMS FOR DETERMINING A CLOUD POINT	7/16/2008	12/174244	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP

Case Reference	Official Title	Filing	Filing Number	Centers Charged	Attorney (Wording)	Outside Counsel Firm (Wording)
	TEMPERATURE OF DIESEL FUEL					
P002359-US-NP	CLOUD POINT MONITORING SYSTEMS FOR DETERMINING A CLOUD POINT TEMPERATURE OF DIESEL FUEL	7/16/2008	12/174056	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P001645-US-NP	TURBOCHARGER MOUNT WITH INTEGRATED EXHAUST AND EXHAUST GAS RECIRCULATION CONNECTIONS	8/12/2008	12/189842	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P001392-US-NP	TURBOCHARGER HOUSING WITH INTEGRAL INLET AND OUTLET OPENINGS	8/12/2008	12/189867	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P001578-US-NP	APPARATUS AND METHOD FOR COOLING AN EXHAUST GAS	11/26/2008	12/323718	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P004107-US-NP	ACTIVE MATERIAL BASED CLAMPING APPARUSES AND METHODS OF MAKING	8/28/2008	12/199825	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-307764-US-CIP	ACTIVE MATERIAL BASED CONCEALMENT DEVICES FOR SEAMS			GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-305337-CN-PCT	ADAPTIVE DRIVER WORKLOAD ETIMATOR	7/19/2006	200680036601.1	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-306852-CN-PCT	EXHAUST PARTICULATE FILTER	8/31/2006	200680040987.3	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-306852-DE-PCT	EXHAUST PARTICULATE FILTER	8/31/2007	112006002344.6	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
GP-306991-CN-PCT	REVERSIBLY DEPLOYABLE AIR DAM	9/22/2006	200680038052.1	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P000791-US-NP	FUEL PRESSURE AMPLIFIER	10/21/2008	12/255275	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P003102-US-NP	HEAT RECOVERY SYSTEM	11/26/2008	12/323728	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P002552-US-NP	EXHAUST GAS AFTERTREATMENT SYSTEM	9/30/2008	12/241298	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P001293-US-NP	TWO-STAGE REGENERATION OF DIESEL PARTICULATE FILTER	10/14/2008	12/251080	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP

Case Reference	Official Title	Filing	Filing Number	Centers Charged	Attorney (Wording)	Outside Counsel Firm (Wording)
GP-308062-WO-PCT	FEDERATED ONTOLOGY INDEX TO ENTERPRISE KNOWLEDGE	4/22/2008	PCT/US08/61082	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P004794-US-NP	EXHAUST AFTER TREATMENT SYSTEM	11/7/2008	12/267003	GM POWERTRAIN - DIESEL ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P004394-US-NP	ASYMMETRIC SPLIT INLET TURBINE HOUSING	3/11/2009	12/401762	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P004635-US-NP	EXHAUST GAS TREATMENT SYSTEM INCLUDING A LEAN NOX TRAP AND TWO-WAY CATALYST AND METHOD OF USING THE SAME	6/17/2009	12/485984	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P004613-US-NP	EXHAUST GAS TREATMENT SYSTEM INCLUDING A FOUR-WAY CATALYST AND UREA SCR CATALYST AND METHOD OF USING THE SAME	3/26/2009	12/411822	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P005503-US-NP	NOZZLE DIFFUSER MIXER	7/11/2008	12/171865	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P004608-US-NP	EXHAUST GAS TREATMENT SYSTEM	7/14/2009	12/502464	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P006154-US-NP	ASH FILTER, EXHAUST GAS TREATMENT SYSTEM INCORPORATING THE SAME AND METHOD OF USING THE SAME	7/14/2009	12/502437	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P005659-US-NP	APPARATUS AND METHOD FOR ONBOARD PERFORMANCE MONITORING OF EXHAUST GAS PARTICULATE FILTER	1/16/2009	12/354837	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P004614-US-NP	EXHAUST GAS TREATMENT SYSTEM INCLUDING AN HC-SCR AND TWO-WAY CATALYST AND METHOD OF USING THE SAME	6/17/2009	12/486017	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
GP-305787-US-CNT	FRICTION STR NUT AND METHOD OF JOINING THEREWITH	11/6/2008	12/265874	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P006665-US-NP	EXHAUST GAS BYPASS	5/8/2009	12/437890	GM POWERTRAIN -	HUDYMA, JR., DAVID P.	CANTOR COLBURN LLP

Case Reference	Official Title	Filing	Filing Number	Centers Charged	Attorney (Wording)	Outside Counsel Firm (Wording)
	VALVE CONTROL FOR THERMOELECTRIC GENERATOR			ENGINES	(dave.hudyma@gm.com)	
P006936-US-NP	INTEGRAL ROTOR NOISE ATTENUATORS	4/24/2009	12/429682	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P006934-US-NP	TUNING DEVICE WITH COMBINED BACKFLOW FUNCTION	4/24/2009	12/429675	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P006938-US-NP	VARIABLE FREQUENCY SOUND ATTENUATOR FOR ROTATING DEVICES	4/27/2009	12/430352	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P005377-US-PSP	METHOD AND APPARATUS FOR ANALYZING WELD STRENGTH OF FRICTION STIR SPOT WELDS	11/12/2008	61/113920	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P005600-US-NP	APPARATUS FOR REDUCING FUEL WAXING	4/10/2009	12/421900	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P006281-US-NP	APPARATUS FOR REDUCING FUEL WAXING	4/10/2009	12/421911	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P007175-US-NP	EXHAUST AFTER TREATMENT SYSTEM	5/27/2009	12/472832	GM POWERTRAIN - DIESEL ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P007246-US-NP	EXHAUST TREATMENT SYSTEM FOR AN INTERNAL COMBUSTION ENGINE	6/18/2009	12/487175	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P003240-US-NP	MAGNETORHEOLOGICAL FLUID AND METHOD OF MAKING THE SAME	9/16/2009	12/560472	INDIA SCIENCE LABS	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P004613-US-DIV	EXHAUST GAS TREATMENT SYSTEM INCLUDING A FOUR-WAY CATALYST AND UREA SCR CATALYST AND METHOD OF USING THE SAME	3/26/2009	12/412149	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P006628-US-NP[2]	APPARATUS AND METHOD FOR COOLING AN EXHAUST GAS	2/12/2009	12/369820	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P006507-US-NP	THERMOELECTRIC CLIMATE CONTROL	4/24/2009	12/429532	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P006918-US-NP	STORAGE VESSEL AND METHOD OF FORMING	5/4/2009	12/435108	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P006651-US-NP	LOW NOISE RUN-FLAT TIRES	7/2/2009	12/497000	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP

Case Reference	Official Title	Filing	Filing Number	Centers Charged	Attorney (Wording)	Outside Counsel Firm (Wording)
P007861-US-NP	CYLINDER HEAD ASSEMBLY FOR AN INTERNAL COMBUSTION ENGINE AND METHOD OF MAKING THE SAME	4/22/2009	12/428123	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P007660-US-NP	APPARATUS AND METHOD FOR THROTTLE CONTROL OF INTERNAL COMBUSTION ENGINES	7/28/2009	12/510506	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P005467-US-NP	Air assisted HCI system			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008203-US-NP	NOZZLE DIFFUSER MIXER			GM POWERTRAIN - DIESEL ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
GP-308116-WO-PCT	ACTIVE MATERIAL BASED FASTENERS INCLUDING CABLE TIES AND TWIST TIES	3/4/2009	PCT/US09/35963	GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P008267-US-PSP	TURBOCHARGER AND AIR INDUCTION SYSTEM INCORPORATING THE SAME METHOD OF MAKING AND USING THE SAME			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008267-US-NP	TURBOCHARGER AND AIR INDUCTION SYSTEM INCORPORATING THE SAME METHOD OF MAKING AND USING THE SAME			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008308-US-NP	APPARATUS AND METHOD FOR REGENERATING AN EXHAUST FILTER	6/11/2009	12/482625	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008049-US-NP	ENGINE ACCESSORY DRIVE WITH BELT TENSIONER AND SAME PLANE IDLER	9/11/2009	12/557589	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008981-US-NP	DRIVE BELT TENSIONER FOR MOTOR GENERATOR UNIT			GM POWERTRAIN - HYBRIDS	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008297-US-NP	FUEL STABILITY METHODS AND SYSTEMS	5/26/2009	12/471914	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008466-US-NP	CYLINDER HEAD ASSEMBLY FOR AN INTERNAL COMBUSTION ENGINE	8/3/2009	12/534430	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P009126-US-NP	Air Assist Start/Stop Hybrid			GM POWERTRAIN -	HUDYMA, JR., DAVID P.	CANTOR COLBURN LLP

Case Reference	Official Title	Filing	Filing Number	Centers Charged	Attorney (Wording)	Outside Counsel Firm (Wording)
P009075-US-NP	APPARATUS AND METHOD FOR RAPID WARMING OF THE OIL IN AN OIL PAN OF AN INTERNAL COMBUSTION ENGINE	7/20/2009	12/505643	GM POWERTRAIN - ENGINES	(dave.hudyma@gm.com) HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P007800-US-NP	APPARATUS FOR REMOVAL OF OIL FROM POSITIVE CRANKCASE VENTILATION SYSTEM	6/15/2009	12/484400	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008033-US-NP	TURBOCHARGER AND AIR INDUCTION SYSTEM INCORPORATING THE SAME AND METHOD OF USING THE SAME			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008465-US-PSP	SELECTIVE CATALYTIC REDUCTION EXHAUST GAS AFTERTREATMENT SYSTEM AND APPARATUS	6/26/2009	61/220667	GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008465-US-NP	SELECTIVE CATALYTIC REDUCTION EXHAUST GAS AFTERTREATMENT SYSTEM AND APPARATUS			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008510-US-NP	A new DPF Regeneration Method with a Compact Aftertreatment System			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008772-US-NP	Divided Inlet Turbine Housing / EGR System			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P007983-US-NP	Control strategy for rapid aftreatment warmup for diesel engines			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008654-US-NP	A cylinder case design which allows flange mounting and service removal in close clearance conditions to motor mounts. (such as in V6 applications)			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008946-US-NP	Exhaust Aftertreatment Heating			GM POWERTRAIN - DIESEL ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008990-US-NP	Integrated Close-Coupled Exhaust Aftertreatment			GM POWERTRAIN - DIESEL ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP

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	System with Variable Geometry					
P010089-US-NP	DRIVE BELT TENSIONER FOR MOTOR GENERATOR UNIT			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008705-US-NP	Work in Process Inventory Analysis Tool			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P009016-US-NP	Feature Based Automated Meshing and Assembly for Engine Finite Element Model			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P007863-US-NP	Burnishing of valve seat insert / cylinder head interfaces to seal valve seat pocket from fuel, gas vapor, and combustion products.			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P008372-US-NP	Insertable PCV gas distribution system			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P007278-US-NP	Valve to divert exhaust flow directly into catalyst at engine start on turbo charged engines			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P009763-US-NP	Pressure-balanced poppet valves			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P005377-US-NP	METHOD AND APPARATUS FOR ANALYZING WELD STRENGTH OF FRICTION STIR SPOT WELDS			GM RESEARCH & DEVELOPMENT CENTER	LLOYD, MYRON J. (myron.lloyd@gm.com)	CANTOR COLBURN LLP
P007268-US-NP	OXIDIZING PARTICULATE FILTER			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P006697-US-NP	E-mail quick reply by voice			GM PRODUCT DEVELOPMENT	KAJANDER, JOHN E. (john.kajander@gm.com)	CANTOR COLBURN LLP
P008831-US-NP	Attenuate infotainment volume depending on the conversation level in vehicle			GM PRODUCT DEVELOPMENT	KAJANDER, JOHN E. (john.kajander@gm.com)	CANTOR COLBURN LLP
P008793-US-NP	Two Way Smart Memory Alloy for Diesel Exhaust Hydrocarbon Injection Mixing			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P009256-US-NP	Turbo Compressor by-pass			GM POWERTRAIN -	HUDYMA, JR., DAVID P.	CANTOR COLBURN LLP

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	to exhaust for Particulate Regeneration			ENGINES	(dave.hudyma@gm.com)	
P010027-US-NP	Gas/Liquid Mixing Device for Diesel Exhaust Aftertreatment			GM POWERTRAIN - DIESEL ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P009803-US-NP	Turbocharger Inlet Adapter Crankcase Vent Nozzle			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P009644-US-NP	Bluetooth Hands-Free to Private Handoff			GM PRODUCT DEVELOPMENT	KAJANDER, JOHN E. (john.kajander@gm.com)	CANTOR COLBURN LLP
P009648-US-NP	System and Method for Integration of Vehicle Infotainment System with Social Networking			GM PRODUCT DEVELOPMENT	KAJANDER, JOHN E. (john.kajander@gm.com)	CANTOR COLBURN LLP
P010438-US-PSP	Dual Close Coupled Converter			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP
P010438-US-NP	Dual Close Coupled Converter			GM POWERTRAIN - ENGINES	HUDYMA, JR., DAVID P. (dave.hudyma@gm.com)	CANTOR COLBURN LLP